

Title (en)

FUSION FORMABLE SODIUM CONTAINING GLASS

Title (de)

FUSIONSVERFORMBARES NATRIUMHALTIGES GLAS

Title (fr)

VERRE CONTENANT DU SODIUM POUVANT ÊTRE MIS EN FORME PAR FUSION

Publication

EP 2445845 A2 20120502 (EN)

Application

EP 10722264 A 20100527

Priority

- US 2010036371 W 20100527
- US 18238609 P 20090529
- US 78771110 A 20100526

Abstract (en)

[origin: US2010300535A1] Sodium-containing aluminosilicate and boroaluminosilicate glasses are described herein. The glasses can be used as substrates for photovoltaic devices, for example, thin film photovoltaic devices such as CIGS photovoltaic devices. These glasses can be characterized as having strain points $\geq 540^{\circ}$ C., thermal expansion coefficient of from 6.5 to 9.5 ppm/ $^{\circ}$ C., as well as liquidus viscosities in excess of 50,000 poise. As such they are ideally suited for being formed into sheet by the fusion process.

IPC 8 full level

C03C 3/087 (2006.01)

CPC (source: EP KR US)

C01B 19/007 (2013.01 - EP US); **C03C 3/087** (2013.01 - EP KR US); **C03C 3/091** (2013.01 - EP KR US); **H01L 31/0296** (2013.01 - US); **H01L 31/0322** (2013.01 - US); **H01L 31/03923** (2013.01 - US); **H01L 31/03925** (2013.01 - US); **H01L 31/0445** (2014.12 - US); **C01P 2006/40** (2013.01 - US); **Y02E 10/541** (2013.01 - EP US); **Y02E 10/543** (2013.01 - EP US)

Citation (search report)

See references of WO 2010138698A2

Citation (examination)

- JP 3666609 B2 20050629
- JP H11180727 A 19990706 - CENTRAL GLASS CO LTD
- JP 3804115 B2 20060802

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DOCDB simple family (publication)

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